Curriculum Long Term Planning Overview	Key Stage 3	Subject Area: Computer Science	Academic Year: 2022-23

Year	Study Modules	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 7	Study Modules	E-Safety Game Creation in Kodu/Sploder	Game Creation in Kodu/Sploder	E-Safety Algorithms in Flowol	Python Turtle Programming	E-Safety Multimedia	Multimedia
	Assessment	Baseline test	Design, creation and presentation of Kodu/Sploder game	Understanding and writing of algorithms test	Understanding and writing Python programmes	Creation of an interactive website with multimedia components	Creation of an interactive website with multimedia components

Year	Study Modules	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 8	Study Modules	E-Safety Web Awareness	Web Awareness	E-Safety Web Design in HTML	Web Design in HTML	E-Safety Python Programming	Python Programming
	Assessment	Creation of video, letter and leaflet on being safe online	Creation of video, letter and leaflet on being safe online	HTML Project	HTML Project	Design, creation and presentation of Python programmes	Design, creation and presentation of Python programmes

Year	Study Modules	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 9	Study Modules	E-Safety Trends in Computing	Digital Graphics	E-Safety Digital Graphics	Advanced Python Programming?	E-Safety WaterWorld Project	WaterWorld Project
	Assessment	Presentation on trends in technology	Design and promote a new smartphone	Design and promote a new smartphone	Design, creation and presentation of Python programmes?	Produce and present project	Produce and present project

Curriculum Long Term Planning Overview	Key Stage 4	Subject Area: Computer Science	Academic Year: 2022-23

Year	Study Modules	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 10	**Study Modules**	Systems Architecture Memory Python Programming	Storage Wired and Wireless Networks Network Topologies, Protocols and Layers Systems Security Algorithms Python Programming	Computational Logic Algorithms Systems Software Python Programming	Data Representation	Network Topologies, Protocols and Layers Systems Security Storage Wired and Wireless Networks	Translators and Facilities of Languages NEA Preparation
	Assessment	Year 10 transition exam End of unit assessments	End of unit assessments	End of unit assessments Year 10 assessments	End of unit assessments	End of unit assessments	End of unit assessments Mock Exams

Year	Study Modules	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 11	**Study Modules**	Ethical, Legal, Cultural and Environmental Concerns Programming Techniques	PPE Revision NEA Python Programming	NEA	Systems Security Programming Techniques	Exam revision/preparation	
	Assessment	End of unit assessments	PPE Exams		PPE Exams End of unit assessments	Revision tasks Practice papers	

Curriculum Long Term Planning Overview	Key Stage 5		Subject Area: Computer Science		Academic Year: 2022-23	

Year	Study Modules	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 12	Study Modules	Legal, Moral, Cultural and Ethical Issues HTML, CSS and JS Operating Systems The Characteristics of Contemporary Processors, Input, Output and Storage Devices Elements of Computational Thinking Algorithms	HTML, CSS and JS CPU Assembly Language Elements of Computational Thinking Algorithms	Types of Processor Input, Output and Storage Applications Generation Procedural Programming Exchanging Data Problem Solving and Programming	Procedural Programming Exchanging Data Problem Solving and Programming	Exchanging Data Coursework Preparation	Data Types, Data Structures and Algorithms Coursework Preparation
	Assessment	Year 12 transition exam End of unit assessments	End of unit assessments	Mock exams End of unit assessments	End of unit assessments	End of unit assessments	Year 12 mock exams End of unit assessments

Year	Study Modules	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 13	Study Modules	OOP Exchanging Data Coursework Project	Exchanging Data Applications Generation Software Generation Coursework Project	Types of Programming Languages Pipelining GPU Coursework Project	Data Type Data Structures Coursework Project	Boolean Algebra Exam revision/preparation	
	Assessment	Year 13 transition exam End of unit assessments	Coursework project: Analysis and High Level Design End of unit assessments	Coursework project: First draft of Design, Implementation and Testing Mock exams End of unit assessments	Coursework Project: Final Draft End of unit assessments	End of unit assessments Revision, Tests and Mock Papers	